

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,191,178 B1  
APPLICATION NO. : 10/073453  
DATED : March 13, 2007  
INVENTOR(S) : Vir V. Phoha, Sitharama S. Iyengar and Rajgopal Kannan

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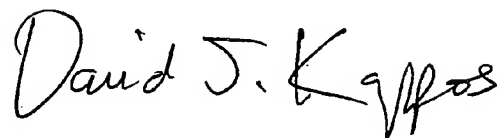
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, Item (73) should read as follows:

(73) Assignees: Louisiana Tech University Foundation, Inc., Ruston, LA (US); The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, LA (US)

Signed and Sealed this

Thirteenth Day of July, 2010

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style.

David J. Kappos  
*Director of the United States Patent and Trademark Office*